GALILEO FOR MOBILITY

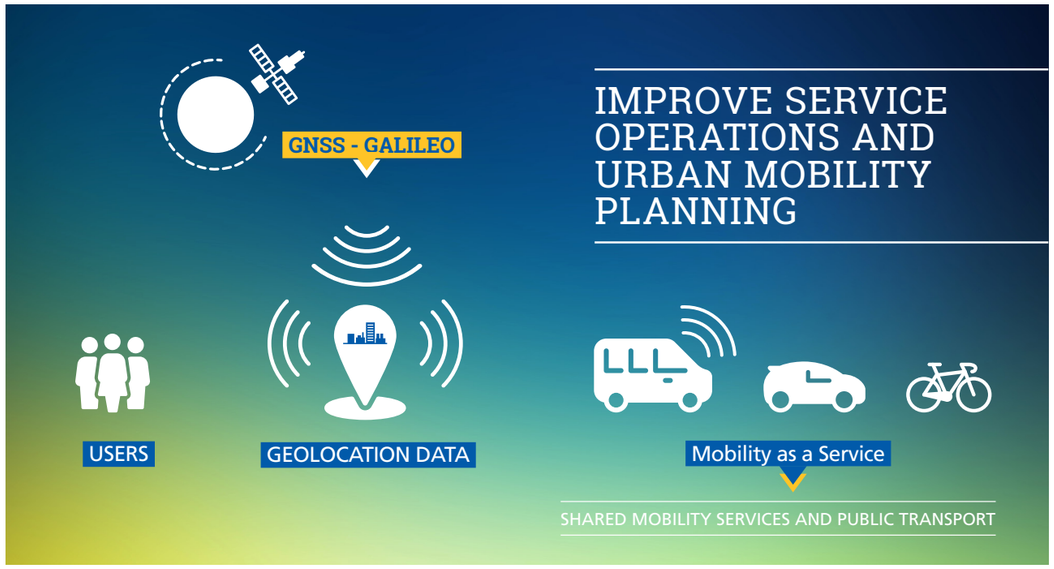
FOSTERING THE ADOPTION OF GALILEO FOR MOBILITY AS A SERVICE

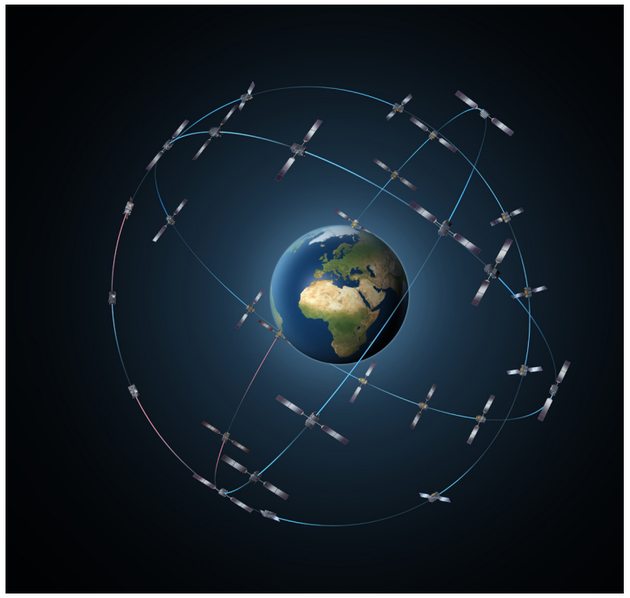
OBJECTIVES

1 UNDERSTAND, DEFINE AND VALIDATE THE REQUIREMENTS FOR GALILEO IN MOBILITY AS A SERVICE (MAAS)

2 DEVELOP THE KEY ELEMENTS TO EXPLOIT GALILEO BENEFITS

3 DISSEMINATE THE PROJECT RESULTS AND SUPPORT THEIR EXPLOITATION AFTER THE PROJECT LIFETIME





GALILEO is Europe's own global navigation satellite system, providing a highly accurate, guaranteed global positioning service under civilian control. Currently providing Initial Services, GALILEO is interoperable with GPS and Glonass, the US and Russian global satellite navigation systems.

BENEFITS FOR MaaS:

- Increased availability
- Better accuracy
- Lower Time-To-First-Fix

5 PILOT DEMONSTRATIONS IN EUROPE IN BARCELONA, PARIS AND THESSALONIKI.

PUBLIC TRANSPORT ON DEMAND

- Area Metropolitana de Barcelona (AMB) will replace an existing fixed bus line with low demand with a flexible service that adapts bus routes according to the actual demand, improving the service and engaging new users without increasing public expenditure.
- The GALILEO-based technology platform will consist of a mobile app and a system that manages requests, confirmations and cancellations, finds the best routes, and monitors distances travelled and payments.

SHARED TAXIS

- The pilot aims to alleviate Thessaloniki's city centre congestion by reducing the number of trips from two eastern suburbs to the city.
- Ride sharing will be offered to commuters through 20 taxis provided by Taxiway at a flat rate. The GALILEO-based technology platform will manage user requests, aggregate the origin and destination of users in order to efficiently match similar demand, and provide navigation service to drivers.

MAAS AGGREGATOR

- The MaaS aggregator RACC Trips is an app that gathers the mobility offer of Barcelona, Madrid and other big cities in Spain. It includes the public transport offer, sharing services offer (motorbikes, bikes and cars) and bike offer (parkings) of these cities.
- The pilot in Barcelona will demonstrate the benefits of GALILEO by improving accuracy and availability in urban areas, enabling a fast and smooth transition between transport modes. Accurate and solid geopositioning is key to reach the main purpose of the RACC Trips app: offering the user a door-to-door and seamless multimodal trip experience.

DRIVERLESS SHUTTLE

- The pilot will link automated electric vehicles to major hubs in a university or hospital campus (location to be determined).
- GALILEO will enable the monitoring of the vehicle's location along the route and ensure that the autonomous vehicle stops at the right location to serve the user.

VEHICLE SHARING

- Clem' will operate a last-mile transportation service to the community in plateau de Saclay, a huge urban campus under development in the suburbs of Paris which should welcome 85.000 students, workers and inhabitants by 2025.
- The pilot will include a sharing service providing a mixed fleet of 10 electric cars and 20 electric bikes that will be geolocated with GALILEO technology.

PROJECT IN BRIEF

GALILEO FOR MOBILITY aims at supporting the introduction of **GALILEO** technology within the Mobility as a Service context, by analysing the needs in terms of geolocation of the different stakeholders involved and demonstrating the benefits of **GALILEO** through pilot demonstrators of shared mobility services.

Geolocation of users and vehicles by means of satellite navigation technologies has been widely used and is a key enabler for most services. **GALILEO** will further improve signal availability, thus enhancing continuity of service for shared mobility services in urban or challenging environments.

FACTS AND FIGURES

30 months (November 2017 – April 2020)

The maximum grant amount for research-related costs, dissemination activities and events is € 2.7m (€ 2.2m EU funded)

GALILEO FOR MOBILITY features a consortium of 11 partners with headquarters in five different European countries whose activities span the globe

PARTNERS

CONTACT

MARTI JOFRE
Project coordinator • marti.jofre@pildo.com

MICHELE TOZZI
Dissemination Coordinator • michele.tozzi@uitp.org

WWW.GALILEO4MOBILITY.EU

@galileomobility

European Global Navigation Satellite Systems Agency

This project has received funding from the European Global Navigation Satellite Systems Agency under grant agreement No 776381